ELSEVIER

0263-8223(95)00006-2

Composite Structures **30** (1995) 467–469
Elsevier Science Limited
Printed in Great Britain

CONTENTS OF VOLUME 30

Number 1

1 Concentrated forces and moments on laminates with bending extension coupling
W. BECKER (Germany)

13 Free-edge effects in unsymmetrically laminated composite plates
P. BAR-YOSEPH & D. BEN-DAVID (Israel)

25 Dynamics of graphite/epoxy composite under delamination fracture and environmental effects
J.-Y. LAI & K.-F. YOUNG (Taiwan)

33 Nonlinear free flexural vibrations of laminated circular cylindrical shells
M. GANAPATHI & T. K. VARADAN (India)

51 Thermoelastic analysis of laminated plates including transverse shear deformation effects
J.-F. HE (China)

61 The torsional response of multilayer thick laminates using effective moduli
W. LIAO (Taiwan) & C. T. SUN (USA)

69 Deformation of orthotropic cylindrical shells with discontinuity in thickness subjected to asymmetric loading
A. J. STANLEY & N. GANESAN (India)

85 Theoretical and experimental investigation of local bending effects in sandwich plates
O. T. THOMSEN (Denmark)

103 Optimization of bent composite cylinders
J. L. GRENESTEDT (Sweden)

109 An investigation into the performance characteristics of top-hat stiffener to shell plating joints
R. A. SHENOI & G. L. HAWKINS (UK)

Number 2

123 Stiffness reduction and energy release rate of cross-ply laminates during fatigue tests
A. EL-MAHI, J.-M. BERTHELOT & J. BRILLAUD (France)

131 The deformation mechanism of thin-walled non-circular composite tubes subjected to bending
A. G. MAMMALIS, D. E. MANOLAKOS, G. A. DEMOSTHENOUS & M. B. IOANNIDIS (Greece)

147 A discrete model for the optimal design of thin composite plate-shell type structures using a two-level approach
C. M. MOTA SOARES, V. FRANCO CORREIA, H. MATEUS (Portugal) &
J. HERSKOVITS (Brazil)

159 Failure analysis of bolted connections of composites with drilled and moulded-in hole
H. J. LIN & C. C. TSAI (Republic of China)

169 On the impact between a rigid sphere and a thin composite laminate supported by a rigid substrate
A. S. YIGIT & A. P. CHRISTOFOROU (Kuwait)

179 Failure behaviour of plain weave fabric laminates under in-plane shear loading: effect of fabric geometry
V. K. GANESH & N. K. NAIK (India)

193 A preliminary study into the matrix dominated non-linear behaviour of graphite epoxy laminates
R. JONES, H. ALESI, W. K. CHIU & S. GALEA (Australia)

201 On the transient hygroscopic stresses in laminated composite plates
A. BENKEDDAD, M. GRÉDIAC & A. VAUTRIN (France)

217 Mechanical modelling of blisters on coated laminates—I theoretical aspects
P. CASTAING, L. LEMOINE & A. GOURDENNE (France)

223 Mechanical modelling of blisters on coated laminates—II experimental analysis
P. CASTAING, L. LEMOINE & A. GOURDENNE (France)

229 Torque transmission capabilities of adhesively bonded tubular lap joints for composite drive shafts
W. T. KIM & D. G. LEE (Korea)

Number 3

241 Analysis of five-point bending for determination of the interlaminar shear strength of unidirectional composite materials
W. C. KIM & C. K. H. DHARAN (USA)

253 Separation failure in a class of bonded plates
W. J. BOTTEGA (USA)

271 Analysis of laminated circular cylindrical shells under axisymmetric loading
J. G. REN (Peoples Republic of China)

281 Acousto-ultrasonic evaluation of interface bond strength of coated glass fibre-reinforced epoxy resin composites
V. K. SRIVASTAVA (India)

287 Three-dimensional contact stress analysis of a composite laminate with bolted joint
W. H. CHEN, S.-S. LEE & J. T. YEH (ROC)

299 Effects of delamination and ply fiber waviness on effective axial and bending stiffness in composite laminates
W. S. CHAN & C. J. CHOU (USA)

307 Elasticity solution for laminated anisotropic cylindrical panels in cylindrical bending
H.-S. JING & K.-G. TZENG (ROC)

319 Skin/stiffener interface delamination using continuous analysis
J. T. S. WANG (ROC) & J. T. HUANG (USA)

329 Analytical solutions for load transfer through smooth elastic pin in an infinite orthotropic plate
H. K. RANGAVITTAL, A. C. B. NAIDU, B. DATTAGURU & T. S. RAMAMURTHY (India)

341 Bending analysis of bimodular laminates using a higher-order finite strip method
Y.-P. TSENG & C.-T. LEE (ROC)

351 Physical modeling of plaster and fiber/plaster composites setting from ultrasonic measurements
F. HERNÁNDEZ-OLIVARES (Spain), I. OTEIZA (Venezuela) & M. BOLLATI (Spain)

Number 4

357 A prediction method for the compressive strength of impact damaged composite laminates
Y. XIONG, C. POON, P. V. STRAZNICKY & H. VIETINGHOFF (Canada)

369 Thermomechanical postbuckling of multilayered composite panels with cutouts
A. K. NOOR, J. H. STARNES, JR & J. M. PETERS (USA)

389 Dynamic analysis of clamped laminated curved panels
LU CHUN & K. Y. LAM (Singapore)

399 Buckling of composite orthotropic cylindrical shells under non-uniform axial loads
J. B. GREENBERG & Y. STAVSKY (Israel)

407 Hygrothermal degradation in glass/epoxy—evaluation via stress wave factors
GANG HONG, A. YALIZIS & G. N. FRANTZISKONIS (USA)

419 Use of scaled-down models for predicting vibration response of laminated plates
J. REZAEEPAZHAND, G. J. SIMITSES & J. H. STARNES, JR (USA)

427 A finite element evaluation of single-layer and multi-layer theories for the analysis of laminated plates
P. GAUDENZI, R. BARBONI & A. MANNINI (Italy)

441 Parametric study of the post-buckling strength of structural core sandwich panels
T. M. NORDSTRAND (Sweden)

453 On the numerical treatment of the delamination problem in laminated composites under cleavage loading
E. S. MISTAKIDIS, C. C. BANIOTOPOULOS & P. D. PANAGIOTOPOULOS (Greece)

467 Contents of Volume 30